

### Abstract

Battery separators made of a wettable, uniform mat of melt blown fibers. The melt blown fibers are thermally bonded to one another. These fibers are made of a thermoplastic material. The fibers have a diameter in the range of 0.1 to 13 microns ( $\mu$ ) and lengths greater than 12 millimeters (mm). The mat has a basis weight ranging from 6 to 160 grams per square meter ( $\text{g/m}^2$ ), a thickness of less than 75 microns ( $\mu$ ), and an average pore size of 0.3 to 50 microns ( $\mu$ ).

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